

# AeroSpace Environmental Traveling Exhibit

## MISSION STATEMENT

Increase overall awareness of Glenn's research, investments, and achievements for a better future and a better life.

The AeroSpace Environmental Traveling Exhibit is a mobile educational vehicle for "spreading the word" in the area of environmental protection aspects of our aeronautics programs and other areas of research being done at the Glenn Research Center at Lewis Field in Cleveland, Ohio.

The 'AeroSpace Bus', as it is otherwise known, is contained within a 40-ft long bus. Videos shown inside tell the story about the relevance of aeronautical work and other research at Glenn. The exhibit is geared toward the adult visitors; however, many children also have had great experiences with the exhibit.

The idea of an exhibit bus evolved from a desire to have a highly mobile exhibit that could be set up in 5 minutes or less, and create a lasting and memorable experience for the audience. Since its debut in August 1998, its creator and current Program Manager have increased the program to include 12 volunteer drivers with CDL's and a program coordinator. The bus has attended over 200 events and over 100,000 visitors have been on board.

The AeroSpace Bus is a 40-ft long by 12-ft 3-in high by 9-ft wide converted 1977 Eagle bus. Its is powered by a V-8 Detroit diesel engine with an Allison automatic transmission. B-20, biodiesel is the preferred fuel used. It features a 42-in plasma screen video theatre display with Hi-Fi stereo sound. In addition to technical videos, there are also videos about living in space ranging in length from 10 to 20 min. that are geared toward the younger audience.

The exhibit seats 17 passengers in comfortable luxurious rotating and reclining flex-steel-designed captain chairs. The mobile exhibit has three roof air conditioner/heater units for visitor comfort.

**Power Requirements:** The bus has two 100-ft cords with the plug pin layout shown in the picture below. One is an 110V, 20-amp plug and the other is a 250V, 50 amp single-phase plug. The outlets need to match the plugs shown below. If no power sources are available at the site, the bus can be powered by two onboard generators.

**This bus is dedicated to the men and women who work at the NASA Glenn Research Center.**

**Past scheduled events in Ohio include:**

Cleveland Air Show  
North Olmsted Homecoming Days  
Berea Grindstone Festival  
Dayton Air Show  
Brunswick Old Fashioned Days  
North Royalton Camp Cheerful  
Medina Christian Academy Vacation Bible School  
Mesopotamia Rangers Science Summer Camp  
Wadsworth Skypark Annual Summer Celebration  
Canton-Akron MAPS Air Show  
Vermilion Woolly Bear Festival  
Hinckley Buzzard Day  
Perry Career Fair

**Past scheduled events outside of Ohio include:**

Buccaneer Space Camp, Buckhannon, WV  
Anna S. Kuhl Elementary School, Port Jervis, NY  
Manitowoc County Air Show, Manitowoc, WI  
Rockets for Schools, Sheboygan Wisconsin  
Halifax & Sydney-Kinsman International Air Show, Nova Scotia Canada

**Visit our web site to view the schedule and access the bus request form at: <http://aerobus.grc.nasa.gov>**

NASA Glenn Research Center at Lewis Field  
Daniel White, Program Manager (216) 433-3103  
Call Sandra Jacobson, Program Coordinator (216) 433-3020  
Fax: 216-433-8719  
21000 Brookpark Road M.S. 6-4  
Cleveland, Ohio 44135